

Carbohydrate Research 293 (1996) C5

Author index

Abeysekera, R. 79 Alevisopoulos, S. 79 Asano, N. 195 Azuma, J.-i. 213

Bacic, A. 147 Bock, K. 101 Buchert, J. 1 Buttersack, C. 205

Craik, D. 147 Currie, G. 147

Diggle, H.J. 259 Duus, J.O. 101

El Nemr, A. 31

Galbis, J.A. 251 Gamian, A. 61

Haseley, S.R. 259

Hausalo, T. 1 Heinrich-Schramm, A. 205

J. Brasch, D. 119 Kasapis, S. 79

Kato, A. 195
Katzenellenbogen, E. 61
Kizu, H. 195
Knirel, Y.A. 61, 71, 223
Kobayashi, Y. 31
Kocharova, N.A. 61
Kochetkov, N.K. 61, 71
Kováč, P. 173
Kübler, J. 61
Kurane, R. 213
Kuwahara, R. 15

Lei, P.-s. 173 Lüdemann, H.-D. 205 MacDougall, A.J. 235 Mathà, M. 133 Matsui, K. 195 Meldal, M. 101 Miethchen, R. 139 Moll, H. 223 Munro, S.L.A. 147

Nash, R.J. 195 Needs, P.W. 235 Nohata, Y. 213

Ogawa, Y. 173

Panikkar, R. 119 Parolis, H. 101 Parolis, L.A.S. 101 Perttula, M. 1

Rentsch, D. 139

Reznicek, G. 133 Rigby, N.M. 235 Ring, S.G. 235 Romanowska, E. 61

Shashkov, A.S. 61, 71 Sidorczyk, Z. 71 Siika-aho, M. 1 Sims, I.M. 147 Sorsa, H. 1

Senchenkova, S.N. 71

Teleman, A. 1 Tenkanen, M. 1 Tsuchiya, T. 15, 31

Watson, A.A. 195 Wilkinson, S.G. 259

Zähringer, U. 223 Zamora, F. 251 Zych, K. 71



Subject index

O-Acetylation

Structural characterisation of xyloglucan secreted by suspension-cultured cells of Nicotiana plumbaginifolia 147

N-Acetylisomuramic acid

Structure of a new N-acetylisomuramic acidcontaining O-specific polysaccharide of Proteus penneri strains 19 and 35 71

Acinetobacter baumannii

Structure of a surface polysaccharide from Acinetobacter baumannii O16 259

Aldono-1,5-lactones

Synthesis of 3-deoxy-2,4-di-O-methyl-Derythro-pentono-1,5-lactone and of its L-enantiomer by stereoselective hydrogenation of α , β unsaturated aldono-1,5-lactones 251

Alginates

Composition and block structure of alginates from New Zealand brown seaweeds 119

Altrosides

A convenient synthesis of endo-H ethylidene acetals 139

Aminoglycoside antibiotic

Synthesis of dibekacin analogs containing 3oxa- and 3-aza-2,3,4-trideoxy-D-glycero-hexopyranose 15

O-Antigen

Structural study and serological characterisation of the O-specific polysaccharide of Hafnia alvei PCM 1185, another Hafnia O-antigen that contains 3,6-dideoxy-3-[(R)-3-hydroxy-butyramido]-D-glucose 61

Structure of a new N-acetylisomuramic acidcontaining O-specific polysaccharide of Proteus penneri strains 19 and 35 71

Bacterial polysaccharide, structure

Structure of a new N-acetylisomuramic acidcontaining O-specific polysaccharide of Proteus penneri strains 19 and 35 71

4-O-Benzyl-3-deoxy-L-glycero-tetronic acid

Synthesis of eight glycosides of hexasaccharide fragments representing the terminus of the Opolysaccharide of Vibrio cholerae O:1, serotype Inaba and Ogawa, bearing aglycons suitable for linking to proteins 173

Branched-chain sugars

 α -Hydrogen elimination in some carbohydrate triflates 31

Brown seaweed

Composition and block structure of alginates from New Zealand brown seaweeds 119

Butyllithium

α-Hydrogen elimination in some carbohydrate triflates 31

Calcium

Calcium gelation of pectic polysaccharides isolated from unripe tomato fruit 235

Calystegine B,

Calystegine B₄, a novel trehalase inhibitor from Scopolia japonica 195

Carbanie

α-Hydrogen elimination in some carbohydrate triflates 31

Carben

 α -Hydrogen elimination in some carbohydrate triflates 31

Carbohydrates

A convenient synthesis of endo-H ethylidene acetals 139

CI-mass spectrometry

Determination of the sugar linkage position in glycosides using ammonia chemical ionization mass spectrometry at low gas pressure 133

Conformational analysis

Synthesis of 3-deoxy-2,4-di-O-methyl-Derythro-pentono-1,5-lactone and of its L-enantiomer by stereoselective hydrogenation of α , β unsaturated aldono-1,5-lactones 251

5-Deoxy-5-fluorination

Synthesis of dibekacin analogs containing 3oxa- and 3-aza-2,3,4-trideoxy-D-glycero-hexopyranose 15

Deuterated compound

α-Hydrogen elimination in some carbohydrate triflates 31

Diastereoselective hydrogenation

Synthesis of 3-deoxy-2,4-di-O-methyl-Derythro-pentono-1,5-lactone and of its L-enantiomer by stereoselective hydrogenation of α , β unsaturated aldono-1,5-lactones 251

El-mass spectrometry

Determination of the sugar linkage position in glycosides using ammonia chemical ionization mass spectrometry at low gas pressure 133

Electrospray ionisation

Structural characterisation of xyloglucan secreted by suspension-cultured cells of Nicotiana plumbaginifolia 147

Enterobacteria

Structural study and serological characterisation of the O-specific polysaccharide of Hafnia alvei PCM 1185, another Hafnia O-antigen that contains 3,6-dideoxy-3-[(R)-3-hydroxy-butyramido]-D-glucose 61

Ethylidene acetals

A convenient synthesis of endo-H ethylidene acetals 139

Gelatin

Formation of kinetically trapped gels in the maltodextrin-gelatin system 79

Gelation

Calcium gelation of pectic polysaccharides isolated from unripe tomato fruit 235

GLC-MS

Calystegine B₄, a novel trehalase inhibitor from Scopolia japonica 195

Glucosides, aqueous solution

c,T-Dependence of the self-diffusion in concentrated aqueous solutions of methyl α - and β -D-glucopyranosides 205

Glycosides

Determination of the sugar linkage position in glycosides using ammonia chemical ionization mass spectrometry at low gas pressure 133

Glycoevlation

Synthesis of dibekacin analogs containing 3oxa- and 3-aza-2,3,4-trideoxy-D-glycero-hexopyranose 15

Hafnia alvei

Structural study and serological characterisation of the O-specific polysaccharide of Hafnia alvei

PCM 1185, another Hafnia O-antigen that contains 3,6-dideoxy-3-[(R)-3-hydroxy-butyramido]-D-glucose 61

endo-H Diastereomers

A convenient synthesis of endo-H ethylidene acetals 139

Hexasaccharide

Synthesis of eight glycosides of hexasaccharide fragments representing the terminus of the Opolysaccharide of Vibrio cholerae O:1, serotype Inaba and Ogawa, bearing aglycons suitable for linking to proteins 173

HPAED-PAD

4-O-Methyl-β-L-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy 1

Hydrogenation

A convenient synthesis of endo-H ethylidene acetals 139

Kinetic effects

Formation of kinetically trapped gels in the maltodextrin-gelatin system 79

Kraft pulp

4-O-Methyl-β-L-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy 1

Linkage analysis

Structural characterisation of xyloglucan secreted by suspension-cultured cells of Nicotiana plumbaginifolia 147

Lipopolysaccharide

Structural study and serological characterisation of the O-specific polysaccharide of *Hafnia alvei* PCM 1185, another *Hafnia* O-antigen that contains 3.6-dideoxy-3-[(R)-3-hydroxy-butyramido]-D-glucose 61

Structure of a surface polysaccharide from Acinetobacter baumannii O16 259

Lipopolysaccharide, acid degradation

Structure of a new N-acetylisomuramic acidcontaining O-specific polysaccharide of Proteus penneri strains 19 and 35 71

Maltodextrin

Formation of kinetically trapped gels in the maltodextrin-gelatin system 79

Mass spectrometry

Structural characterisation of xyloglucan secreted by suspension-cultured cells of Nicotiana plumbaginifolia 147

Methylation

Determination of the sugar linkage position in glycosides using ammonia chemical ionization mass spectrometry at low gas pressure 133

4-O-Methyliduronic acid

4-O-Methyl-β-L-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy 1

Methyllithium

α-Hydrogen elimination in some carbohydrate triflates 31

Na in liquid NH,

Synthesis of dibekacin analogs containing 3oxa- and 3-aza-2,3,4-trideoxy-D-glycero-hexopyranose 15

Neoglycoconjugate

Synthesis of eight glycosides of hexasaccharide fragments representing the terminus of the Opolysaccharide of Vibrio cholerae O:1, serotype Inaba and Ogawa, bearing aglycons suitable for linking to proteins 173

Nicotiana plumbaginifolia

Structural characterisation of xyloglucan secreted by suspension-cultured cells of Nicotiana plumbaginifolia 147

NMR

Structural characterisation of xyloglucan secreted by suspension-cultured cells of Nicotiana plumbaginifolia 147

NMR spectroscopy

4-O-Methyl-β-L-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy 1 Structural study and serological characterisation of the O-specific polysaccharide of Hapina alvei PCM 1185, another Hafnia O-antigen that contains 3,6-dideoxy-3-[(R)-3-hydroxy-butyramido]-D-glucose 61

O16 Antigen, structure

Structure of a surface polysaccharide from Acinetobacter baumannii O16 259

Pb(OAc), oxidation

Synthesis of dibekacin analogs containing 3oxa- and 3-aza-2,3,4-trideoxy-D-glycero-hexopyranose 15

Pectic polysaccharide

Calcium gelation of pectic polysaccharides isolated from unripe tomato fruit 235

Phase separation

Formation of kinetically trapped gels in the maltodextrin-gelatin system 79

Proteus

Structure of a new N-acetylisomuramic acidcontaining O-specific polysaccharide of Proteus penneri strains 19 and 35 71

Proton 1,2-shift

 α -Hydrogen elimination in some carbohydrate triflates 31

Reductive amination

Synthesis of dibekacin analogs containing 3oxa- and 3-aza-2,3,4-trideoxy-D-glycero-hexopyranose 15

Ripening

Calcium gelation of pectic polysaccharides isolated from unripe tomato fruit 235

Scopolia japonica

Calystegine B₄, a novel trehalase inhibitor from Scopolia japonica 195

Self-diffusion

c,T-Dependence of the self-diffusion in concentrated aqueous solutions of methyl α - and β -D-glucopyranosides 205

Solvent partition

Formation of kinetically trapped gels in the maltodextrin-gelatin system 79

Structural analysis

Composition and block structure of alginates from New Zealand brown seaweeds 119

Structure /activity relationships

Calystegine B₄, a novel trehalase inhibitor from Scopolia japonica 195

Sugar linkage determination

Determination of the sugar linkage position in glycosides using ammonia chemical ionization mass spectrometry at low gas pressure 133

Tomato

Calcium gelation of pectic polysaccharides isolated from unripe tomato fruit 235

Transition state

α-Hydrogen elimination in some carbohydrate triflates 31

Trehalase inhibitor

Calystegine B₄, a novel trehalase inhibitor from Scopolia japonica 195

Triflate

 α -Hydrogen elimination in some carbohydrate triflates 31

Trimethylsilylation

Determination of the sugar linkage position in glycosides using ammonia chemical ionization mass spectrometry at low gas pressure 133

Unsaturation

 α -Hydrogen elimination in some carbohydrate triflates 31

Vibrio cholerae O-antigen

Synthesis of eight glycosides of hexasaccharide fragments representing the terminus of the Opolysaccharide of Vibrio cholerae O:1, serotype Inaba and Ogawa, bearing aglycons suitable for linking to proteins 173

Xylan

4-O-Methyl-β-t.-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy 1

Xylanase

4-O-Methyl-β-L-idopyranosyluronic acid linked to xylan from kraft pulp: isolation procedure and characterisation by NMR spectroscopy 1

Xyloglucan

Structural characterisation of xyloglucan secreted by suspension-cultured cells of *Nicotiana plumbaginifolia* 147

